UNITED STATES LAY SE QUADRANGLE DEPARTMENT OF THE INTERIOR COLORADO-MOFFAT CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 107° 52′30″ 40° 37′30″ 4465 III NE (IRON SPRINGS) 107° 45′ 40° 37′ 30″ 47'30" R 93 W R. 92 W. 19 20 21 22 23 20 24 19 30 29 28 27 26 25 30 29 32 33 34 35 36 31 32 31 T. 8 N. T. 7 N. 35' --10 11 12 NOTE: Overburden isopachs are not drawn beyond dotted line because of insufficient data. 13 17 15 14 18 2125 20 24 19 23 19 20 32'30" 32'30" Overburden isopach map of the Middle Coal Group, coal bed [5] 30 29 27 26 28 25 30 29 34 32 33 36 31 32 35 T. 7 N. T. 6 N T. 6 N. (HORSE GULCH) 4464 ... N 107° 52′ 30″ 107° 45′ Base from U.S. Geological Survey, 1969 Compiled in-1979 1 KILOMETER This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature. COLORADO UTM GRID AND 1969 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

> COAL RESOURCE OCCURRENCE MAP OF THE LAY SE QUADRANGLE, MOFFAT COUNTY, COLORADO

QUADRANGLE LOCATION

BY DAMES & MOORE 1979

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EXPLANATION

___ 2400 _____ OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval 100 feet (31 m) over strip-pable coal and 200 feet (61 m) beyond the stripping-limit line.

0 2328

DRILL HOLE - Showing thickness of overburden, in feet, from surface to top of coal bed.

-----10 -----MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

FU[25] - Fort Union [25]

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle

FU[25] -----

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Short dashed where projected by present authors.

TRACE OF FAULT - Bar and ball on downthrown side. Dashed where inferred or approximately located.

To convert feet to meters, multiply feet by 0.3048.

PLATE 10